

# Lars Ellgaard

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5754402/publications.pdf>

Version: 2024-02-01

59  
papers

8,127  
citations

101543

36  
h-index

144013

57  
g-index

61  
all docs

61  
docs citations

61  
times ranked

8475  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quality control in the endoplasmic reticulum. <i>Nature Reviews Molecular Cell Biology</i> , 2003, 4, 181-191.	37.0	1,866
2	Setting the Standards: Quality Control in the Secretary Pathway. <i>Science</i> , 1999, 286, 1882-1888.	12.6	1,142
3	The human protein disulphide isomerase family: substrate interactions and functional properties. <i>EMBO Reports</i> , 2005, 6, 28-32.	4.5	667
4	ER quality control: towards an understanding at the molecular level. <i>Current Opinion in Cell Biology</i> , 2001, 13, 431-437.	5.4	369
5	The human PDI family: Versatility packed into a single fold. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2008, 1783, 535-548.	4.1	338
6	Simian Virus 40 Depends on ER Protein Folding and Quality Control Factors for Entry into Host Cells. <i>Cell</i> , 2007, 131, 516-529.	28.9	285
7	TROSY-NMR reveals interaction between ERp57 and the tip of the calreticulin P-domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 1954-1959.	7.1	269
8	Multiple ways to make disulfides. <i>Trends in Biochemical Sciences</i> , 2011, 36, 485-492.	7.5	199
9	Palmitoylated TMX and calnexin target to the mitochondria-associated membrane. <i>EMBO Journal</i> , 2012, 31, 457-470.	7.8	179
10	NMR structure of the calreticulin P-domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 3133-3138.	7.1	178
11	ERp57 Is a Multifunctional Thiol-Disulfide Oxidoreductase. <i>Journal of Biological Chemistry</i> , 2004, 279, 18277-18287.	3.4	169
12	A novel disulphide switch mechanism in Ero1 $\beta$ balances ER oxidation in human cells. <i>EMBO Journal</i> , 2008, 27, 2977-2987.	7.8	163
13	Calnexin, Calreticulin, and ERp57: Teammates in Glycoprotein Folding. <i>Cell Biochemistry and Biophysics</i> , 2003, 39, 223-248.	1.8	151
14	Disulphide production by Ero1 $\beta$ -PDI relay is rapid and effectively regulated. <i>EMBO Journal</i> , 2010, 29, 3318-3329.	7.8	136
15	Specialized insulin is used for chemical warfare by fish-hunting cone snails. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1743-1748.	7.1	134
16	GPx8 peroxidase prevents leakage of H <sub>2</sub> O <sub>2</sub> from the endoplasmic reticulum. <i>Free Radical Biology and Medicine</i> , 2014, 70, 106-116.	2.9	118
17	Molecular chaperones in targeting misfolded proteins for ubiquitin-dependent degradation. <i>FEBS Journal</i> , 2012, 279, 532-542.	4.7	117
18	Co- and Post-translational Protein Folding in the ER. <i>Traffic</i> , 2016, 17, 615-638.	2.7	110

#	ARTICLE	IF	CITATIONS
19	Very Low Density Lipoprotein Receptor Binds and Mediates Endocytosis of Urokinase-type Plasminogen Activator-Type-1 Plasminogen Activator Inhibitor Complex. <i>Journal of Biological Chemistry</i> , 1995, 270, 20855-20861.	3.4	105
20	Cellular functions and molecular mechanisms of non-lysine ubiquitination. <i>Open Biology</i> , 2019, 9, 190147.	3.6	102
21	How Are Proteins Reduced in the Endoplasmic Reticulum?. <i>Trends in Biochemical Sciences</i> , 2018, 43, 32-43.	7.5	82
22	In Vivo Reduction-Oxidation State of Protein Disulfide Isomerase: The Two Active Sites Independently Occur in the Reduced and Oxidized Forms. <i>Antioxidants and Redox Signaling</i> , 2008, 10, 55-64.	5.4	80
23	Mutational Analysis Provides Molecular Insight into the Carbohydrate-Binding Region of Calreticulin: Pivotal Roles of Tyrosine-109 and Aspartate-135 in Carbohydrate Recognition. <i>Biochemistry</i> , 2004, 43, 97-106.	2.5	75
24	Interactions of Substrate with Calreticulin, an Endoplasmic Reticulum Chaperone. <i>Journal of Biological Chemistry</i> , 2003, 278, 6194-6200.	3.4	73
25	Domain Architecture of Protein-disulfide Isomerase Facilitates Its Dual Role as an Oxidase and an Isomerase in Ero1p-mediated Disulfide Formation. <i>Journal of Biological Chemistry</i> , 2006, 281, 876-884.	3.4	73
26	Identification and Characterization of a Novel Thioredoxin-related Transmembrane Protein of the Endoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 2005, 280, 8371-8380.	3.4	69
27	Genetic dissection of mammalian ERAD through comparative haploid and CRISPR forward genetic screens. <i>Nature Communications</i> , 2016, 7, 11786.	12.8	64
28	NMR Structures of 36 and 73-residue Fragments of the Calreticulin P-domain. <i>Journal of Molecular Biology</i> , 2002, 322, 773-784.	4.2	55
29	Hyperactivity of the Ero1 Oxidase Elicits Endoplasmic Reticulum Stress but No Broad Antioxidant Response. <i>Journal of Biological Chemistry</i> , 2012, 287, 39513-39523.	3.4	54
30	A luminal flavoprotein in endoplasmic reticulum-associated degradation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 14831-14836.	7.1	52
31	Very low density lipoprotein receptor from mammary gland and mammary epithelial cell lines binds and mediates endocytosis of Mr, 40,000 receptor associated protein. <i>FEBS Letters</i> , 1994, 354, 279-283.	2.8	49
32	The solution structure of the N-terminal domain of $\alpha$ 2-macroglobulin receptor-associated protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 7521-7525.	7.1	44
33	Dissection of the Domain Architecture of the $\alpha$ 2macroglobulin-Receptor-Associated Protein. <i>FEBS Journal</i> , 1997, 244, 544-551.	0.2	44
34	Three-dimensional structure topology of the calreticulin P-domain based on NMR assignment. <i>FEBS Letters</i> , 2001, 488, 69-73.	2.8	41
35	The Human Selenoprotein VCP-interacting Membrane Protein (VIMP) Is Non-globular and Harbors a Reductase Function in an Intrinsically Disordered Region. <i>Journal of Biological Chemistry</i> , 2012, 287, 26388-26399.	3.4	41
36	Rapid expansion of the protein disulfide isomerase gene family facilitates the folding of venom peptides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3227-3232.	7.1	39

#	ARTICLE	IF	CITATIONS
37	A Male with Unilateral Microphthalmia Reveals a Role for TMX3 in Eye Development. PLoS ONE, 2010, 5, e10565.	2.5	34
38	Structure-Function Analysis of the Endoplasmic Reticulum Oxidoreductase TMX3 Reveals Interdomain Stabilization of the N-terminal Redox-active Domain. Journal of Biological Chemistry, 2007, 282, 33859-33867.	3.4	33
39	A di-arginine motif contributes to the ER localization of the type I transmembrane ER oxidoreductase TMX4. Biochemical Journal, 2010, 425, 195-208.	3.7	33
40	HUWE1 and TRIP12 Collaborate in Degradation of Ubiquitin-Fusion Proteins and Misframed Ubiquitin. PLoS ONE, 2012, 7, e50548.	2.5	32
41	The Selenium Metabolite Methylselenol Regulates the Expression of Ligands That Trigger Immune Activation through the Lymphocyte Receptor NKG2D. Journal of Biological Chemistry, 2014, 289, 31576-31590.	3.4	30
42	Ligand Binding Properties of the Very Low Density Lipoprotein Receptor. Journal of Biological Chemistry, 1999, 274, 8973-8980.	3.4	27
43	Curses or Cures: A Review of the Numerous Benefits Versus the Biosecurity Concerns of Conotoxin Research. Biomedicines, 2020, 8, 235.	3.2	27
44	The carboxy-terminal domain of the receptor-associated protein binds to the Vps10p domain of sortilin. FEBS Letters, 1998, 429, 27-30.	2.8	26
45	The three-dimensional structure of an H-superfamily conotoxin reveals a granulin fold arising from a common ICK cysteine framework. Journal of Biological Chemistry, 2019, 294, 8745-8759.	3.4	26
46	Bioinformatics analysis identifies several intrinsically disordered human E3 ubiquitin-protein ligases. PeerJ, 2016, 4, e1725.	2.0	24
47	Identification of the PDI-Family Member ERp90 as an Interaction Partner of ERFAD. PLoS ONE, 2011, 6, e17037.	2.5	22
48	Differential regulation of urokinase-type-1 inhibitor complex endocytosis by phorbol esters in different cell lines is associated with differential regulation of $\alpha$ 2-macroglobulin receptor and urokinase receptor expression. Molecular and Cellular Endocrinology, 1995, 109, 209-217.	3.2	18
49	Strategies for Heterologous Expression, Synthesis, and Purification of Animal Venom Toxins. Frontiers in Bioengineering and Biotechnology, 2021, 9, 811905.	4.1	16
50	Nested sets of protein fragments and their use in epitope mapping: characterization of the epitope for the S4D5 monoclonal antibody binding to receptor associated protein. Journal of Immunological Methods, 1995, 180, 53-61.	1.4	14
51	Biochemical evidence that regulation of Ero1 <sup>1</sup> activity in human cells does not involve the isoform-specific cysteine 262. Bioscience Reports, 2014, 34, .	2.4	8
52	DisCoTune: versatile auxiliary plasmids for the production of disulphide-containing proteins and peptides in the <i>E. coli</i> T7 system. Microbial Biotechnology, 2021, 14, 2566-2580.	4.2	8
53	Ero1-Mediated Reoxidation of Protein Disulfide Isomerase Accelerates the Folding of Cone Snail Toxins. International Journal of Molecular Sciences, 2018, 19, 3418.	4.1	6
54	Localization of a single transglutaminase-reactive glutamine in the third domain of RAP, the $\alpha$ 2-macroglobulin receptor-associated protein. The Protein Journal, 1999, 18, 69-73.	1.1	5

#	ARTICLE	IF	CITATIONS
55	CHAPTER 2.1. Evolutionary Adaptations to Cysteine-rich Peptide Folding. Chemical Biology, 2018, , 99-128.	0.2	3
56	A Chaperone System for Glycoprotein Folding: The Calnexin/Calreticulin Cycle. Molecular Biology Intelligence Unit, 2003, , 19-29.	0.2	2
57	Production of an Active, Human Membrane Protein in <i>Saccharomyces cerevisiae</i> : Full-Length FICD. International Journal of Molecular Sciences, 2022, 23, 2458.	4.1	1
58	Calnexin, Calreticulin, and ERp57: Teammates in Glycoprotein Folding. ChemInform, 2004, 35, no.	0.0	0
59	The Role of $\beta$ 2-Macroglobulin Receptor Associated Protein as a Chaperone for Multifunctional Receptors. , 1998, , 95-104.		0